Exploring Aeronautics							
2005 Science Academic Standards							
Grades 3-5							
Activity/Lesson	State	Standards					
			Students know scientific progress is made by				
			conducting careful investigations, recording				
Fundamentals of			data, and communicating the results in an				
Aeronautics (145-176)	NV	SCI.3-5.N.5.A.1	accurate method.				
			Students know that, when an unbalanced force				
Fundamentals of			is applied to an object, the object either speeds				
Aeronautics (145-176)	NV	SCI.3-5.P.5.B.1	up, slows down, or goes in a different direction.				
			Students know how the strength of a force and				
Fundamentals of			mass of an object influence the amount of				
Aeronautics (145-176)	NV	SCI.3-5.P.5.B.2	change in an object's motion.				
			Students know that, when an unbalanced force				
Airplane Control(209-			is applied to an object, the object either speeds				
256)	NV	SCI.3-5.P.5.B.1	up, slows down, or goes in a different direction.				
			Students know how the strength of a force and				
Airplane Control(209-			mass of an object influence the amount of				
256)	NV	SCI.3-5.P.5.B.2	change in an object's motion.				
			Students know air is a substance that surrounds				
Tools of			us, takes up space, and moves around us as				
Aeronautics(257-326)	NV	SCI.3-5.E.5.A.5	wind.				
			Students know that, when an unbalanced force				
			is applied to an object, the object either speeds				
How an Airplane Flies	NV	SCI.3-5.P.5.B.1	up, slows down, or goes in a different direction.				
			Students know how the strength of a force and				
			mass of an object influence the amount of				
How an Airplane Flies	NV	SCI.3-5.P.5.B.2	change in an object's motion.				
The Tools of			Students know models are tools for learning				
Aeronautics	NV	SCI.3-5.N.5.A.6	about the things they are meant to resemble.				
			Students know air is a substance that surrounds				
The Tools of			us, takes up space, and moves around us as				
Aeronautics	NV	SCI.3-5.E.5.A.5	wind.				
			Students know how the strength of a force and				
			mass of an object influence the amount of				
The Activity Center	NV	SCI.3-5.P.5.B.2	change in an object's motion.				
			Students know air is a substance that surrounds				
			us, takes up space, and moves around us as				
Science of Flight	NV	SCI.3-5.E.5.A.5	wind.				
Integrating with			Students know graphic representations of				
Aeronautics	NV	SCI.3-5.N.5.A.4	recorded data can be used to make predictions.				
			Students know scientific progress is made by				
			conducting careful investigations, recording				
Intro to Aeronautics			data, and communicating the results in an				
(109-123)	NV	SCI.3-5.N.5.A.1	accurate method.				
			Students know that, when an unbalanced force				
Intro to Aeronautics			is applied to an object, the object either speeds				
(109-123)	NV	SCI.3-5.P.5.B.1	up, slows down, or goes in a different direction.				

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			Students know how the strength of a force and				
Intro to Aeronautics	.	00105050	mass of an object influence the amount of				
(109-123)	NV	SCI.3-5.P.5.B.2	change in an object's motion.				
			Students know scientific progress is made by				
			conducting careful investigations, recording				
Scientific Method(124-			data, and communicating the results in an				
144)	NV	SCI.3-5.N.5.A.1	accurate method.				
Scientific Method(124-			Students know how to draw conclusions from				
144)	NV	SCI.3-5.N.8.A.3	scientific evidence.				
		Evaloring Agrana	puties				
Exploring Aeronautics 2005 Science							
		Academic Stand					
Nevada Science							
Grades 6-8							
Activity/Lesson	State	Standards					
Formula was a whole set							
Fundamentals of	NIV /	001001001	Students know how to identify and critically				
Aeronautics (145-176)	NV	SCI.6-8.N.8.A.1	evaluate information in data, tables, and graphs.				
Fundamentals of			Students know the effects of balanced and				
Aeronautics (145-176)	NIV/	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.				
Actoriaulics (143-170)	INV	3C1.0-0.1 .0.D.1	Students know every object exerts gravitational				
			force on every other object, and the magnitude				
Fundamentals of			of this force depends on the mass of the objects				
Aeronautics (145-176)	NIV/	SCI.6-8.P.8.B.3	and their distance from one another.				
Actoriaulics (145-170)	INV	3CI.0-0.F.0.D.3	Students know how to design and conduct a				
Wings(177-208)	NV	SCI.6-8.N.8.A.4	controlled experiment.				
Airplane Control(209-	INV	301.0-0.IN.0.A. 4	Students know how to design and conduct a				
256)	NV	SCI.6-8.N.8.A.4	controlled experiment.				
Airplane Control(209-	111	001.0 0.14.0.7 (.4	Students know the effects of balanced and				
256)	NV	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.				
200)	111	OO1.0 0.1 .0.D.1	Students know every object exerts gravitational				
			force on every other object, and the magnitude				
Airplane Control(209-			of this force depends on the mass of the objects				
256)	NV	SCI.6-8.P.8.B.3	and their distance from one another.				
Tools of		00110 011 101210	Students know how to design and conduct a				
Aeronautics(257-326)	NV	SCI.6-8.N.8.A.4	controlled experiment.				
7.6161144135(257 525)			Students know scientific inquiry includes				
			evaluating results of scientific investigations,				
			experiments, observations, theoretical and				
Tools of			mathematical models, and explanations				
Aeronautics(257-326)	NV	SCI.6-8.N.8.A.6	proposed by other scientists.				
			Students know the effects of balanced and				
How an Airplane Flies	NV	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.				
			Students know every object exerts gravitational				
			force on every other object, and the magnitude				
			of this force depends on the mass of the objects				
How an Airplane Flies	NV	SCI.6-8.P.8.B.3	and their distance from one another.				
The Tools of			Students know how to design and conduct a				
Aeronautics	NV	SCI.6-8.N.8.A.4	controlled experiment.				

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			Students know scientific inquiry includes
			evaluating results of scientific investigations,
			experiments, observations, theoretical and
The Tools of			mathematical models, and explanations
Aeronautics	NV	SCI.6-8.N.8.A.6	proposed by other scientists.
			Students know the effects of balanced and
The Activity Center	NV	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.
The state of the s			Students know every object exerts gravitational
			force on every other object, and the magnitude
			of this force depends on the mass of the objects
The Activity Center	NV	SCI.6-8.P.8.B.3	and their distance from one another.
THE ACTIVITY CEHLER	INV	3CI.0-6.F.6.B.3	
0-1	ND /	001001004	Students know how to design and conduct a
Science of Flight	NV	SCI.6-8.N.8.A.4	controlled experiment.
			Students know how to use appropriate
			technology and laboratory procedures safely for
			observing, measuring, recording, and analyzing
Science of Flight	NV	SCI.6-8.N.8.A.5	data.
			Students know scientific inquiry includes
			evaluating results of scientific investigations,
			experiments, observations, theoretical and
			mathematical models, and explanations
Science of Flight	NV	SCI.6-8.N.8.A.6	proposed by other scientists.
Coloride of Fright	144	001.0 0.14.0.74.0	Students know the effects of balanced and
Science of Flight	NV	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.
Science of Flight	INV	3CI.0-6.F.6.B.1	
			Students know vibrations (e.g., sounds,
			earthquakes) move at different speeds in
			different materials, have different wavelengths,
			and set up wave-like disturbances that spread
Science of Flight	NV	SCI.6-8.P.8.C.2	away from the source uniformly.
Integrating with			Students know how to identify and critically
Aeronautics	NV	SCI.6-8.N.8.A.1	evaluate information in data, tables, and graphs.
			Students know how to use appropriate
			technology and laboratory procedures safely for
Integrating with			observing, measuring, recording, and analyzing
Aeronautics	NV	SCI.6-8.N.8.A.5	data.
Integrating with			Students know the effects of balanced and
Aeronautics	NV	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.
Intro to Aeronautics	144	001.0 0.1 .0.5.1	Students know how to design and conduct a
	NV	SCI.6-8.N.8.A.4	controlled experiment.
(109-123)	INV	3CI.0-0.N.0.A.4	
			Students know how to use appropriate
			technology and laboratory procedures safely for
Intro to Aeronautics			observing, measuring, recording, and analyzing
(109-123)	NV	SCI.6-8.N.8.A.5	data.
			Students know scientific inquiry includes
			evaluating results of scientific investigations,
			experiments, observations, theoretical and
Intro to Aeronautics			mathematical models, and explanations
(109-123)	NV	SCI.6-8.N.8.A.6	proposed by other scientists.
Intro to Aeronautics		355 31010	Students know the effects of balanced and
(109-123)	NV	SCI.6-8.P.8.B.1	unbalanced forces on an object's motion.
(100-120)	1 4 7	SCI.0-0.F.0.D. I	מווטמומווטבע וטוטבט טוו מוו טטןבטן א וווטנוטוו.

			Students know every object exerts gravitational
Intro to Aeronautics			force on every other object, and the magnitude of this force depends on the mass of the objects
	NIV /	CCI 6 0 D 0 D 2	and their distance from one another.
(109-123)	NV	SCI.6-8.P.8.B.3	
Scientific Method(124-			Students know how to design and conduct a
144)	NV	SCI.6-8.N.8.A.4	controlled experiment.
			Students know how to use appropriate
			technology and laboratory procedures safely for
Scientific Method(124-			observing, measuring, recording, and analyzing
144)	NV	SCI.6-8.N.8.A.5	data.
			Students know scientific inquiry includes
			evaluating results of scientific investigations,
			experiments, observations, theoretical and
Scientific Method(124-			mathematical models, and explanations
144)	NV	SCI.6-8.N.8.A.6	proposed by other scientists.